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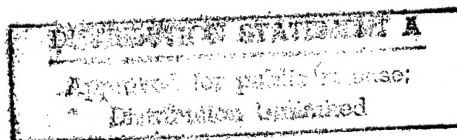
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SUBJECT: Final Technical Report
ONR Award No. N00014-95-1-1073
PI: Dr. Clinton D. Winant

Enclosed for your records is the final technical report for the above referenced grant.

Sincerely,

Ann F. Dunbar
Contract & Grant Assistant
SIO, UCSD



Cc: Ms. Nancy Wilson
Dr. Clinton Winant

REPORT DOCUMENTATION PAGE

Form Approved

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2. REPORT DATE

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3. REPORT TYPE AND DATES COVERED

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4. TITLE AND SUBTITLE

Continental Shelf Broadband Acoustic Doppler Current Profiler Facility

5. FUNDING NUMBERS

ONR

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6. AUTHOR(S)

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7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

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12a. DISTRIBUTION/AVAILABILITY STATEMENT

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13. ABSTRACT (Maximum 200 words)

The following instruments were purchased from RD Instruments (RDI): six (6) 300 kHz Workhorse Sentinel Broadband Acoustic Doppler Current Profilers (ADCP's); one (1) 150 kHz Broadband Acoustic Doppler Current Profiler; and two (2) accessory battery packs.

These instruments were deployed repeatedly in support of the ONR-sponsored research of littoral internal waves. The equipment is part of a pool maintained at the UCSD/SIO Hydraulics Lab and available to any investigator for the cost of preparation and a modest maintenance fee.

14. SUBJECT TERMS

littoral internal waves, ONR, acoustic doppler current profilers, adcp,
continental margin, Winant, Goodman, Lerczak, RD Instruments, RDI.

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None

Results from ONR Grant No. N00014-95-1-1073

Amount: \$202,941.00

Duration: 07 June 1995 through 06 June 1996.

Summary:

We purchased the following from RD Instruments (RDI):

six (6) 300 kHz Workhorse Sentinel Broadband Acoustic Doppler Current Profilers (ADCP's);

one (1) 150 kHz Broadband Acoustic Doppler Current Profiler;

and two (2) accessory battery packs.

These instruments were deployed repeatedly in support of the ONR-sponsored research of litoral internal waves (ONR Grant No. N00014-96-1-0031, "Internal Waves on the Continental Margin"), funded by Louis Goodman. The measurements from the instruments is being analyzed by James Lerczak in support of the research he is conducting as part of his Ph.D. His support is provided under an AASERT grant.

The equipment is part of a pool maintained by Charlie Coughran at the SIO Hydraulics Lab and available to any investigator for the cost of preparation and a modest maintenance fee. So far Ken Melville is the only other scientist to have used the gear, but we have several requests for next year.

Publications: none as yet

Key Words: litoral internal waves, ONR, acoustic doppler current profilers, adcp, continental margin, Winant, Goodman, Lerczak, RD Instruments, RDI.

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